

**ADDENBROOKE'S NHS TRUST
ESTATES & FACILITIES MANAGEMENT**

"Committed to Providing a Safe and Effective High Quality
Environment for the Delivery of Healthcare"

ESTATES DOCUMENT

"STANDARDS FOR CONTRACTORS"

BUILDING MANAGEMENT SYSTEM

TABLE OF CONTENTS - BUILDING MANAGEMENT SYSTEM

Paragraph	Page
1. BUILDING MANAGEMENT SYSTEM	3

1. Building Management System (BMS)

- 1.1 The Current Addenbrookes Hospital BMS is an Andover Controls Continuum system wired on an Ethernet network on the Addenbrookes Hospital Computer Network. Generally new controllers are from the Continuum range, although Infinity I2 controls may be used with prior agreement of the Addenbrookes Hospital Authorised Engineer for the project.
- 1.2 Contact: ANDOVER CONTROLS, SMISBY ROAD, ASHBY DE LA ZOUCH, LEICESTERSHIRE LE65 2UG. TEL. 01530 417733.
- 1.3 INFINET cabling must be BELDEN 9182 unless authorised by the Addenbrookes Hospital Authorised Engineer for the project.
- 1.4 SENSOR cabling must be BELDEN 8760 unless authorised by the Addenbrookes Hospital Authorised Engineer for the project.
- 1.5 All BMS installation items including cabling must be installed in accordance with manufacturers and Andover Controls recommendations.
- 1.6 Frost protection thermostats shall be Auto-Reset unless authorised by the Addenbrookes Hospital Authorised Engineer for the project.
- 1.7 The main control cabinet shall be in two separate sections, one for mains voltage items and the other for low voltage items. The position of the incoming mains voltage isolator shall be confirmed with the Addenbrookes Hospital Authorised Engineer for the project prior to panel design.
- 1.8 Cable installation must comply with the other sections of this specification and the current edition of the IEE Wiring Regulations.
- 1.9 All cables must be clearly identified at both ends with numerical labels and these labels must correspond with cable numbers on the BMS as fitted drawings.
- 1.10 Room numbers supplied by the Addenbrookes Hospital Authorised Engineer for the project shall be utilised in software identification for locations of all auxiliary devices such as sensors, valve etc. and for locations of any areas of control.
- 1.11 A "Head End" Graphical representation of the entire BMS installation within the project and similar in style to those already utilised on the Addenbrookes Andover BMS system must be supplied within the scope of the project.
- 1.12 All commissioning must be carried out on a point to point check basis and witnessed by the Addenbrookes Hospital Authorised Engineer for the project.
- 1.13 All sensors must be tested, calibrated and witnessed by the Addenbrookes Hospital Authorised Engineer for the project. Such verification shall be fully documented.